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Study of Atmospheric Effects in SKYLAB Data
Sixth Quarterly Progress Report

EREP Investigation 410 M
NASA Contract NAS9-13272

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Prepared by

Frederick J. Thomson - Principal Investigator

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NASA Technical Monitor

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Johnson Space Center
Principal Investigator Management Office
Houston, Texas 77058

Study of Atmospheric Effects in SKYLAB Data
Sixth Quarterly Progress Report

This report covers progress during the sixth quarter (1 June - 31 August 1974) of contract NAS9-13272, "Study of Atmospheric Effects in SKYLAB Data," EREP No. 410 M. The work is being conducted in the Infrared and Optics Division of the Environmental Research Institute of Michigan, under the general supervision of Mr. R. R. Legault. The principal investigator is Mr. F. J. Thomson.

PROGRESS

Processing of all data has been suspended pending receipt of data tapes of recalibrated S-192 data from Houston. The S-192 data originally processed under contract NAS9-13386-CCA2 were found to have small dynamic range in most channels thought to be caused by a conservative selection of calibration factors. The problem has since been alleviated in the production processing system. We are advised that tapes to be supplied will have larger dynamic range. Thus processing of the earlier data has stopped.

Processing of aircraft data associated with this investigation has also stopped pending the arrival of the S-192 data. Then a reassessment of the relative amounts of resources required to complete processing of S-192 and aircraft data can be made.

Mr. Jim Weber attended a mid-July meeting of SKYLAB principal investigators at Houston.

PLANS

Until S-192 data are received, little further effort will be expended.

TRAVEL

Mr. Jim Weber travelled to Houston in mid-July for the three day principal investigators conference.

Respectfully submitted:

F. J. Thomson

Frederick J. Thomson
Research Engineer

Approved by:

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FJT:RRL:dlc